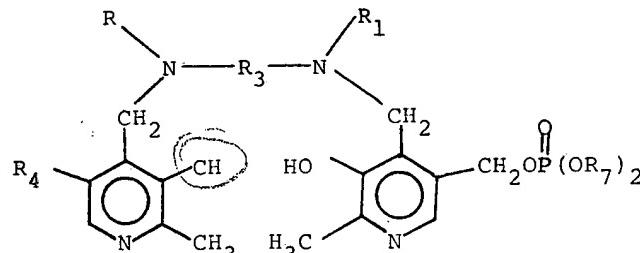


Same page, line 30, please change "cis-1,2" to read
-- cis-1,4 --.

IN THE CLAIMS

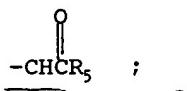
Please cancel without prejudice finally rejected claims
1-8 and 10-19 and substitute therefor the following claims:

55. A metal ion chelate of a chelating compound of the
formula:

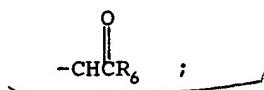


wherein:

R is hydrogen or



R1 is hydrogen or



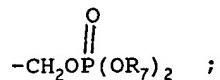
with the proviso that at least one of R and R1 is other than
hydrogen;

R5 and R6 are each, independently, hydroxy, alkoxy
having from 1 to 18 carbons, hydroxy-substituted alkoxy having
from 1 to 18 carbons, amino, or alkylamido having from 1 to 10

carbons;

R₃ is alkylene having from 1 to 8 carbons, 1,2-cycloalkylene having from 5 to 8 carbons, or 1,2-arylene having from 6 to 10 carbons;

R₄ is hydrogen, hydroxymethyl, alkyl having from 1 to 6 carbons, or



each R₇ is, independently, hydrogen, hydroxy-substituted alkyl having from 1 to 18 carbons, or aminoalkyl having from 1 to 18 carbons, ~~or a salt thereof; and~~

E the chelated metal ion is a paramagnetic ion of a metal having an atomic number of from 21 to 29, inclusive, 42, 44, or from 58 to 70, inclusive,
physiologically biocompatible inorganic or organic
or a salt of said metal ion chelate.

2 56. A metal ion chelate according to claim 55 wherein R and R₁ are each other than hydrogen, or a salt of said metal ion chelate.

3 57. A metal ion chelate according to claim 55 wherein each R₇ is hydrogen, or a salt of said metal ion chelate.

4 58. A metal ion chelate according to claim 55 wherein R and R₁ are each other than hydrogen, R₅ and R₆ are each, independently, hydroxy, alkoxy having from 1 to 8 carbons, hydroxyethyl, dihydroxypropyl, amino, or alkylamido having from 1 to 8 carbons, or a salt of said metal ion chelate.

5 59. A metal ion chelate according to claim 58 wherein R₃ is alkylene having from 2 to 6 carbons, or a salt of said metal ion chelate.

⁶
-60. A metal ion chelate of N,N'-bis(pyridoxal-5-phosphate)ethylenediamine-N,N'-diacetic acid or a salt thereof, wherein the metal ion is as recited in claim 55, or a salt of said metal ion chelate.

⁷
-61. A metal ion chelate according to claim 58 wherein R₃ is cyclohexyl, or a salt of said metal ion chelate.

⁸
-62. A metal ion chelate of N,N'-bis(pyridoxal-5-phosphate)-trans-1,2-cyclohexyldiamine-N,N'-diacetic acid or a salt thereof, wherein the metal ion is as recited in claim 55, or a salt of said metal ion chelate.

⁹
-63. A metal ion chelate according to claim 55 wherein the metal ion is divalent or trivalent, or a salt of said metal ion chelate.

¹⁰
-64. A metal ion chelate according to claim 55 wherein the metal ion is chromium (III), manganese (II), iron (III), iron (II), cobalt (II), nickel (II), copper (II), praseodymium (III), neodymium (III), samarium (III), ytterbium (III), gadolinium (III), terbium (III), dysprosium (III), holmium (III), or erbium (III), or a salt of said metal ion chelate.

¹¹
-65. A metal ion chelate according to claim 55 wherein the metal ion is manganese (II), or a salt of said metal ion chelate.

¹²
-66. A manganese (II) chelate of N,N'-bis(pyridoxal-5-phosphate)ethylenediamine-N,N'-diacetic acid or a salt thereof, or a salt of said manganese (II) chelate.

¹³
-67. A manganese (II) chelate of N,N'-bis(pyridoxal-5-phosphate)-trans-1,2-cyclohexyldiamine-N,N'-diacetic acid or a salt thereof, or a salt of said manganese (II) chelate.